Curriculum Vitae

Personal Information

Yassine CHAKIR, PhD
Professor, Moroccan School of Engineering Sciences
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Birth date: 10 April 1993
Place of birth: Mohammedia, Morocco
Nationality: Moroccan

Education

11/2016–10/2020 **Ph.D., Applied Mathematics**
University of Hassan II, Mohammedia, Morocco

09/2013–07/2016 **Eng., Computer Science and Applied Mathematics**
University of Hassan II, Mohammedia, Morocco

09/2011–07/2013 **D.E.U.G., Applied Mathematics**
University of Hassan II, Casablanca, Morocco

09/2010–07/2011 **B. Sc., Mathematics**
El Joulane high school, Mohammedia, Morocco

Work Experience

10/2022–Current **Moroccan School of Engineering Sciences, Casablanca, Morocco**
Position: Professor

02/2022–09/2022 **Moroccan School of Engineering Sciences, Casablanca, Morocco**
Position: Adjunct professor

09/2018–07/2021 **Faculty of Sciences and technologies, Mohammedia, Morocco**
Position: Adjunct professor

02/2016–07/2016 **Haut Commissariat au Plan, Rabat, Morocco**
Position: Data scientist
Project: Proposal of a framework for the analysis of the labor market
Tools: Excel, R software

04/2015–06/2015 **Haut Commissariat au Plan, Rabat, Morocco**
Position: Data scientist
Project: Analysis of the structure of the labor market in Morocco
Tools: Excel, R software

Research Interest

- Rational approximants
- Extrapolation methods
- Numerical Integration
- Orthogonal polynomials
- Continued fractions
- Integral equations
- Dynamical system

Publications

1. Chakir, Y., Abouir, J., Aounil, I., and Benouahmane, B. Two-dimensional laplace transform inversion using bivariate homogeneous two-point padé approximants. *Numerical Algorithms 90*, 3 (2022), 1153–1174
2. Chakir, Y., Abouir, J., and Benouahmane, B. Multivariate homogeneous two-point padé approximants and continued fractions. *Computational and Applied Mathematics 39* (2020), 1–16
3. Chakir, Y., Abouir, J., and Benouahmane, B. On certain applications of the two-point padé approximants by using extended epsilon algorithm. *Annals of the University of Craiova-Mathematics and Computer Science Series 46*, 2 (2019), 400–409
4. Chakir, Y., Abouir, J., and Benouahmane, B. Rational symbolic cubature rules over the first quadrant in a cartesian plane. *Submitted*
5. Chakir, Y., and Safouhi, H. Numerical solution of two-dimensional weakly singular volterra integral equations of the first kind via bivariate rational approximants. *Submitted*
6. Chakir, Y. Solving the evolution of smoking habit model using a global semi-analytical method. *Submitted*
7. Chakir, Y. Global approximate solution of a ratio-dependent predator-prey model with a linear harvesting rate. *Submitted*
8. Chakir, Y. Global semi-analytical method of a model of childhood disease with constant vaccination strategy. *Submitted*

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